

**Table A-1a.** National Air Quality Trends Statistics for Criteria Pollutants, 1980–1989

Statistic	# of Sites	Units	Percentile	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
<b>Carbon Monoxide</b>													
2nd Max. 8-hr.	304	ppm	95th	15.6	14.6	14.1	14.1	13.6	12.4	12.1	11.6	11.4	11.1
2nd Max. 8-hr.	304	ppm	90th	13.9	12.6	12.7	12.4	11.9	11.0	10.7	9.6	10.0	9.6
2nd Max. 8-hr.	304	ppm	75th	10.7	10.6	10.0	9.8	9.9	8.9	8.9	8.3	7.8	7.9
2nd Max. 8-hr.	304	ppm	50th	7.9	7.7	7.5	7.3	7.3	6.5	6.8	6.3	6.0	6.0
2nd Max. 8-hr.	304	ppm	25th	5.7	6.0	5.6	5.4	5.2	4.9	5.1	4.7	4.5	4.5
2nd Max. 8-hr.	304	ppm	10th	4.4	4.2	4.4	3.9	4.2	3.7	3.9	3.7	3.5	3.6
2nd Max. 8-hr.	304	ppm	5th	3.8	3.7	3.6	3.4	3.5	3.4	3.3	3.3	3.1	2.9
2nd Max. 8-hr.	304	ppm	Arith. Mean	8.6	8.4	8.1	7.9	7.8	7.1	7.2	6.7	6.5	6.4
<b>Lead</b>													
Max. Qtr. AM	216	µg/m³	95th	1.63	1.28	1.12	0.87	0.74	0.63	0.36	0.30	0.22	0.21
Max. Qtr. AM	216	µg/m³	90th	1.18	1.00	0.93	0.68	0.63	0.45	0.27	0.20	0.18	0.14
Max. Qtr. AM	216	µg/m³	75th	0.70	0.58	0.63	0.50	0.45	0.30	0.17	0.13	0.11	0.10
Max. Qtr. AM	216	µg/m³	50th	0.50	0.40	0.42	0.36	0.33	0.19	0.12	0.09	0.07	0.06
Max. Qtr. AM	216	µg/m³	25th	0.35	0.29	0.28	0.24	0.22	0.14	0.08	0.06	0.05	0.04
Max. Qtr. AM	216	µg/m³	10th	0.23	0.21	0.19	0.17	0.16	0.10	0.06	0.04	0.03	0.03
Max. Qtr. AM	216	µg/m³	5th	0.19	0.17	0.15	0.14	0.12	0.07	0.05	0.03	0.02	0.02
Max. Qtr. AM	216	µg/m³	Arith. Mean	0.65	0.54	0.53	0.40	0.37	0.25	0.15	0.11	0.10	0.08
<b>Nitrogen Dioxide</b>													
Arith. Mean	156	ppm	95th	0.051	0.051	0.050	0.046	0.046	0.048	0.050	0.043	0.048	0.045
Arith. Mean	156	ppm	90th	0.040	0.041	0.039	0.038	0.038	0.038	0.035	0.038	0.037	0.036
Arith. Mean	156	ppm	75th	0.029	0.028	0.028	0.027	0.029	0.029	0.028	0.028	0.028	0.028
Arith. Mean	156	ppm	50th	0.023	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.023	0.022
Arith. Mean	156	ppm	25th	0.016	0.016	0.016	0.016	0.016	0.017	0.016	0.017	0.016	0.016
Arith. Mean	156	ppm	10th	0.007	0.009	0.009	0.008	0.009	0.009	0.009	0.011	0.009	0.009
Arith. Mean	156	ppm	5th	0.003	0.003	0.004	0.003	0.003	0.004	0.004	0.004	0.003	0.003
Arith. Mean	156	ppm	Arith. Mean	0.024	0.024	0.023	0.022	0.023	0.023	0.023	0.023	0.023	0.023
<b>Ozone</b>													
2nd Max. 1-hr.	441	ppm	95th	0.220	0.202	0.196	0.220	0.203	0.190	0.170	0.180	0.200	0.170
2nd Max. 1-hr.	441	ppm	90th	0.177	0.164	0.160	0.186	0.165	0.160	0.150	0.164	0.180	0.143
2nd Max. 1-hr.	441	ppm	75th	0.150	0.140	0.133	0.150	0.138	0.132	0.130	0.140	0.155	0.124
2nd Max. 1-hr.	441	ppm	50th	0.122	0.115	0.115	0.130	0.113	0.112	0.112	0.118	0.130	0.108
2nd Max. 1-hr.	441	ppm	25th	0.105	0.100	0.100	0.110	0.100	0.098	0.098	0.104	0.110	0.099
2nd Max. 1-hr.	441	ppm	10th	0.091	0.090	0.086	0.095	0.090	0.088	0.086	0.090	0.098	0.086
2nd Max. 1-hr.	441	ppm	5th	0.087	0.080	0.080	0.085	0.080	0.078	0.080	0.087	0.088	0.080
2nd Max. 1-hr.	441	ppm	Arith. Mean	0.134	0.125	0.124	0.137	0.124	0.122	0.118	0.124	0.135	0.115
4th Max. 8-hr.	441	ppm	95th	0.142	0.129	0.128	0.145	0.130	0.127	0.120	0.126	0.140	0.120
4th Max. 8-hr.	441	ppm	90th	0.125	0.115	0.114	0.126	0.113	0.111	0.107	0.116	0.128	0.105
4th Max. 8-hr.	441	ppm	75th	0.106	0.101	0.098	0.110	0.099	0.097	0.095	0.102	0.115	0.093
4th Max. 8-hr.	441	ppm	50th	0.093	0.088	0.088	0.096	0.088	0.087	0.085	0.090	0.102	0.084
4th Max. 8-hr.	441	ppm	25th	0.082	0.077	0.076	0.085	0.077	0.077	0.076	0.081	0.087	0.076
4th Max. 8-hr.	441	ppm	10th	0.071	0.068	0.066	0.071	0.067	0.067	0.069	0.072	0.076	0.068
4th Max. 8-hr.	441	ppm	5th	0.065	0.060	0.061	0.063	0.062	0.062	0.062	0.067	0.067	0.063
4th Max. 8-hr.	441	ppm	Arith. Mean	0.097	0.091	0.090	0.099	0.091	0.090	0.088	0.093	0.102	0.087

**Table A-1a.** National Air Quality Trends Statistics for Criteria Pollutants, 1980–1989 (continued)

Statistic	# of Sites	Units	Percentile	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
<b><i>PM<sub>10</sub></i></b>													
Annual Avg.	—	µg/m <sup>3</sup>	95th	—	—	—	—	—	—	—	—	—	—
Annual Avg.	—	µg/m <sup>3</sup>	90th	—	—	—	—	—	—	—	—	—	—
Annual Avg.	—	µg/m <sup>3</sup>	75th	—	—	—	—	—	—	—	—	—	—
Annual Avg.	—	µg/m <sup>3</sup>	50th	—	—	—	—	—	—	—	—	—	—
Annual Avg.	—	µg/m <sup>3</sup>	25th	—	—	—	—	—	—	—	—	—	—
Annual Avg.	—	µg/m <sup>3</sup>	10th	—	—	—	—	—	—	—	—	—	—
Annual Avg.	—	µg/m <sup>3</sup>	5th	—	—	—	—	—	—	—	—	—	—
Annual Avg.	—	µg/m <sup>3</sup>	Arith. Mean	—	—	—	—	—	—	—	—	—	—
<b><i>Sulfur Dioxide</i></b>													
Arith. Mean	438	ppm	95th	0.0232	0.0223	0.0195	0.0182	0.0184	0.0176	0.0163	0.0162	0.0170	0.0162
Arith. Mean	438	ppm	90th	0.0190	0.0177	0.0164	0.0151	0.0156	0.0150	0.0140	0.0134	0.0143	0.0141
Arith. Mean	438	ppm	75th	0.0134	0.0133	0.0119	0.0121	0.0122	0.0114	0.0114	0.0111	0.0109	0.0107
Arith. Mean	438	ppm	50th	0.0092	0.0090	0.0085	0.0085	0.0088	0.0083	0.0081	0.0078	0.0080	0.0077
Arith. Mean	438	ppm	25th	0.0057	0.0059	0.0057	0.0056	0.0054	0.0050	0.0050	0.0048	0.0048	0.0047
Arith. Mean	438	ppm	10th	0.0029	0.0029	0.0031	0.0029	0.0029	0.0026	0.0025	0.0024	0.0025	0.0023
Arith. Mean	438	ppm	5th	0.0018	0.0018	0.0016	0.0017	0.0018	0.0019	0.0016	0.0016	0.0019	0.0016
Arith. Mean	438	ppm	Arith. Mean	0.0103	0.0101	0.0094	0.0091	0.0092	0.0087	0.0085	0.0083	0.0084	0.0081
2nd Max. 24-hr.	—	ppm	95th	—	—	—	—	—	—	—	—	—	—
2nd Max. 24-hr.	—	ppm	90th	—	—	—	—	—	—	—	—	—	—
2nd Max. 24-hr.	—	ppm	75th	—	—	—	—	—	—	—	—	—	—
2nd Max. 24-hr.	—	ppm	50th	—	—	—	—	—	—	—	—	—	—
2nd Max. 24-hr.	—	ppm	25th	—	—	—	—	—	—	—	—	—	—
2nd Max. 24-hr.	—	ppm	10th	—	—	—	—	—	—	—	—	—	—
2nd Max. 24-hr.	—	ppm	5th	—	—	—	—	—	—	—	—	—	—
2nd Max. 24-hr.	—	ppm	Arith. Mean	—	—	—	—	—	—	—	—	—	—